

ABSTRACT

The present invention relates to an apparatus for an integrated process of magnetic particles and a method of controlling the same, for executing a process for magnetic particles incorporated in a fluid in an integrated state. The present invention aims to provide an apparatus for an integrated process of magnetic particles and a method of controlling the same, that can promptly and efficiently process all together in high precision, with the process of magnetic particles integrated.

The apparatus for an integrated process of magnetic particles comprises a reservoir body provided with plural pit-like reservoirs for storing a drawn liquid arranged in a matrix, a sliding body with jutting plural sliding projections sliding through the reservoirs and capable of moving vertically to and from the reservoir body, plural nozzles attached to the lower parts of the reservoirs and capable of passing the liquid therethrough, a magnetic force device capable of magnetization and demagnetization having plural through sections in which is inserted each nozzle and having a wall part in contact with or near the outer side surface of the nozzle, with the nozzles inserted therein, wherein each wall part has two divided wall parts being apart from one another in such a manner that the divided wall parts have opposite polarities by magnetization, respectively.